

DERWENT-ACC-NO: 1976-06826X

DERWENT-WEEK: 197604

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TITLE: More conductive coating for cathodic emitters - by addn.  
of metal oxides to alkaline earth metal carbonates

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PRIORITY-DATA: 1972SU-1815986 (July 28, 1972)

PATENT-FAMILY:

PUB-NO	PUB-DATE	LANGUAGE	PAGES	MAIN-IPC
SU 425240 A	February 19, 1975	N/A	000	N/A

INT-CL (IPC): H01J009/04

ABSTRACTED-PUB-NO: SU 425240A

BASIC-ABSTRACT:

Title coatings, which may be used in gas-discharge apparatus etc. have high cohesive and adhesive props and are prepd. from proposed suspn. of compsn. (pbw): alkaline earth metal e.g. Ca, Sr, Ba carbonate 30-59.9; metal oxide (gp IV and/or gp. III-VIII metal higher oxides) 30.0-0.7; hydroxyethylcellulose (binder) 0.1-2; **water 39.9-38**, which gives strong, dense and even coatings. In an example, the proposed suspn. is ball-milled 10-40 hrs. before applying by usual methods (e.g. pouring, electrophoresis, sedimentation etc) to the cathode and heating to form salts, e.g. titanates, vanadates, chromates etc.

TITLE-TERMS: MORE CONDUCTING COATING CATHODE EMITTER ADD  
METAL ALKALINE EARTH  
METAL

DERWENT-CLASS: A85 G02 L03 V05

CPI-CODES: A03-A04A; A12-E; G02-A05; L03-C02A;

POLYMER-MULTIPUNCH-CODES-AND-KEY-SERIALS:

Multipunch Codes: 012 04- 23& 231 236 240 252 359 431 477 609 623 627 722 726